Use Attainability Analysis

for

WBID 1225 Elm Creek

Submitted by Missouri Department of Natural Resources Staff

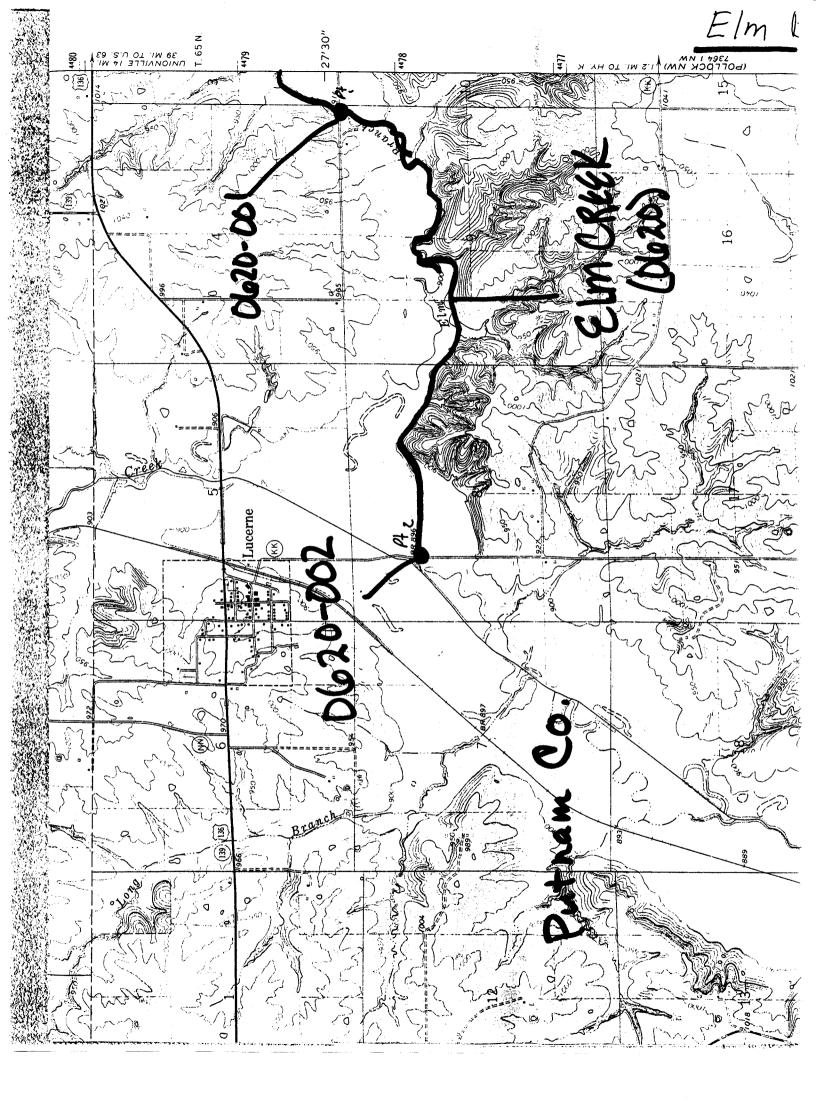
To Missouri Department of Natural Resources Water Protection Program



Data Sheet A - Water Body Identification

	Water Body Name (from USGS 7.5' quad): Elm Creek
	8-digit HUC: 10280103
	Missouri WBID #: 1225
	County: Putnam
_	Upstream Legal Description: 40.4575N/93, 2535 2 W / FOM: 15.3
Н	Downstream Legal Description: 40,453 17N/23, 28 635W/ FOM: 14.3
+	Supstream Coordinates: SW1/4, NW1/4, Sec. 8 T 65N, R 21W
	Downstream Coordinates: NEY4, NEY4, Sec. 3 T (65N, R 21W
	Discharger Facility Name(s):
	Discharger Permit Number(s):
	Number of Sites Evaluated: 2
	Name of Surveyor and Telephone Number: Dave Dowdy (660 - 385 - 7996
	Organization: SwcP
	Position: 80il Scientist III
	he undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA tasheet is true and accurate.

Signed: Date: 7/7/05



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Dave	Dowd	y E.
Dave Amber	Mars	hau sm

M	issouri WBID #:	225-01		Site Location Description:					
Si		15.4575N 93.2)535J	Elm. Cra	cek				
		05@ 1:300		Facility Name:	•				
<u> </u>	ersonnel: DD, AA		<u> </u>	Permit Number:					
1	irrent Weather Condition		25.	Weather Conditi	ions for Past 7 days: Wa	rm ! Raing			
	noto Ids: Upstream: 12	- 8	,	5 D Other		arry , having			
11	oto ids. Opsicani. 12	25 U \ Downsub	. \22	301 0					
Uses	Observed*:			•					
'E	Swimming	Skin diving	□ sct	BA diving	☐ Tubing	☐ Water skiing			
E	Wind surfing	☐ Kayaking	Boat	ting	Wading	Rafting			
	Hunting	☐ Trapping	Fish	ing	None of the above	Other:			
Do	escribe: (include numbe	r of individuals recreatin	g, freque	ncy of use, photo-	documentation of evidence	of recreational uses, etc.)			
		:							
	•								
				•		. :			
L				*	-				
Surro	unding Conditions	*: (Mark all that promo	te or imp	ede recreational us	ses. Attach photos of evider	nce or unusual			
tems o	f interest.)	· · · · · · · · · · · · · · · · · · ·		<u> </u>	T				
	City/county parks	☐ Playgrounds ☐ N	ADC cons	servation lands	Urban areas	Campgrounds			
	Boating accesses	freed	National f	orests	☐ Nature trails	Stairs/walkway			
	No trespass sign		teep slop	es	Other:				
Evide	ence of Human Use	* styla	ravel		¿W: White				
	Roads Bridge	Foot paths/prints	☐ Do	ck/platform	Livestock Watering	RV / ATV Tracks			
Ē	Rope swings	Camping Sites	☐ Fir	e pit/ring	☐ NPDES Discharge	Fishing Tackle			
	Other:								

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Data Sheet B - Site Characterization

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Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Rum Width (ft): Length (ft): 5	Upstream Viorpno	~	cal Dim	ensions:									
Pool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Flow Present? Yes No Estimated (ft²/sec):	Riffle Wi	ith (ft):		Length (ft):		Avg. De	pth (ft):			M	lax. Deptl	h (ft):	
Pool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Flow Present? Yes No Estimated (ft²/sec):	Run Wi	ith (ft):	ラ	Length (ft):	150	Avg. De	oth (ft):	0.	7 5	M	ax. Deptl	n (ft):	1.5
Downstream View Physical Dimensions: Riffle Width (ft): Dength (ft): De	Pool Wie	ith (ft):				Avg. Dej	oth (ft):			M	ax. Depth	ı (ft):	
Riffle Width (ft):	☐ Flow Pre	sent?	Yes [] No		Estimate	d (ft³/sec	:):					
Riffle Width (ft):	Downstroom	View Db	reigal D	imansians		÷							
Run Width (ft): 4 Length (ft): 25 Avg. Depth (ft): 0 Max. Depth (ft): 0 ft Pool Width (ft): 25 Length (ft): 27 Avg. Depth (ft): 1 Max. Depth (ft): 3 ft Flow Present?			_		22	Avg. Der	oth (ft): <	<u> </u>	.05	M	ax. Denth	(ft):	0.5
Pool Width (ft): 2015 Length (ft): 27 Avg Depth (ft): 5 Max. Depth (ft): 36 Flow Present? Yes No Estimated (ft³/sec): Industrate*: (These values should add up to 100%.) % Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel 10 % Sand 90 % Silt % Mud/Clay % Bedrown of Cobble % Gravel %	·	<u> </u>											
Flow Present? Yes No Estimated (ft³/sec): Inbstrate*: (These values should add up to 100%.)													
Indicate Comparison Comparison Comparison Color: Color					at .				<u> </u>	171	ax. Depui	(11).	3/5
Wegetation*: (note amount of vegetation or algal growth at the assessment site) Color:	Flow Pres	sent?	Yes L	No	····	Estimated	i (it /sec	·):					· .
We could be well of which and the assessment site	W , , , , , , , , , , , , , , , , , , ,	•		. 1000()									
quatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) Agency Vegetation Vegetation					Λ %	Sand C	27) %	6 Silt	T	% N	fud/Clay	1	% Bedroo
Hydric Vegetational and banks Chemical None Other: Odor:	% Cot	oble	% U	ravel /	0 70 5	Sand	10 1	. 5111	L	/0 IA	idd Clay	<u> </u>	70200100
Color: Clear Green Gray Milky Other: Bottom Deposit: Sludge Solids Fine sediments None Other: Surface Deposit: Oil Scum Foam None Other: omments: Please attach additional comments (including information from interviews) to this form. Deer track 5, Minnows, beaver dam (possibly), wildlife water) this information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA attasheet is true and accurate. Date: The solution of the second of the secon	ater Characte	ristics*:	(Mark all	that apply.)			····					 	
Bottom Deposit: Sludge Solids Fine sediments None Other: Surface Deposit: Oil Scum Foam None Other: omments: Please attach additional comments (including information from interviews) to this form. Deer track 5, Minnows, beaver dam (Possibly), wildlife water) This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. The undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA atasheet is true and accurate. Date: 4 405	Odor:	☐ Se	wage	☐ Musky	<u>. П</u>	Chemical				<u> </u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Surface Deposit: Oil Scum Foam None Other: omments: Please attach additional comments (including information from interviews) to this form. Deer track 5, Minnows, beaver dam (possibly), wild life water) This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. The undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA attasheet is true and accurate. Date: The sum of the sum	Color:	∑ CI	ear						·	<u> </u>			
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the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA atasheet is true and accurate. Signed: 1. Massicus Date: 7+705	Deer track This information is	f = 5, $f'not to be unstanding of$	sed solely	for removal or	a vec f a recrea sequently	tional use des	دی ہوتے ignation tion is n	but ra	ther is anded to	to pro	ovide a mo	ore ence a	m cycly
igned: 1. Masslus Date: 7/7/05											,		4T.2 YT A A
igned: 1. Marshaus Date: 7/7/05		ed, hereb		to the best	of my	knowledge	, that a	ıll in	iorma	tion	reporte	> a o	n this UAA
	atasheet is true	and acc	urate.										
rganization: Dwc Position: Doil Ocientist I				~		Date:	7	17	100	5			
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	gned: <u>()</u> . N	larsl	<u>Cur</u>	-				17 80	100	5 3と	ient	1,2.	<u>+</u> [

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Data Sheet B - Site Characterization

Dave Dowdy E. Amber Marshaus (A separate data sheet must be completed for each site) Site Location Description: Missouri WBID #: Elm Creek Site GPS Coordinates: U FOM 14.3' Facility Name: Permit Number: Personnel: DD Current Weather Conditions: Partly Clar Weather Conditions for Past 7 days: Other: Photo Ids: Upstream: +225 Downstream: 1225 DZ 122542 Uses Observed*: Tubing Water skiing Skin diving SCUBA diving Swimming Rafting ☐ Boating ☐ Wading ☐ Wind surfing Other: None of the above Fishing ☐ Hunting Trapping Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) Campgrounds Urban areas MDC conservation lands City/county parks ☐ Playgrounds Stairs/walkway ☐ Nature trails State parks National forests ☐ Boating accesses Other: Steep slopes No trespass sign Fence Evidence of Human Use*: RV / ATV Tracks Dock/platform Livestock Watering DRoads Cty RAK Foot paths/prints

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

Camping Sites

Fire pit/ring

Fishing Tackle

NPDES Discharge

Rope swings Other:

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		imensions:			·	
Riffle	Width (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run	Width (ft): (o	Length (ft): $\sqrt{}$	Avg. Depth	(ft): < 0 · \	Max. Depth (ft):	0-25
Pool	Width (ft):	Length (ft):		(ft):	Max. Depth (ft):	<u> </u>
 ◯ Flow	Present? Yes	□No	Estimated (f	t³/sec):		·
Downstree	m View Physical	Dimensions:				
	Run Width (ft): Length (ft): 207 Avg. Depth (ft): 40. \ Max. Depth (ft): Dool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft):					
				· · ·		0.45
						0 7 1)
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<u> </u>	11030111.					
ubstrate*:	(These values should	add up to 100%.)				
			% Sand 90	% Silt 8	% Mud/Clay	% Bedrock
<u> </u>				,	. •	
quatic Vege	etation*: (note amor	ınt of vegetation or a	ilgal growth at the asse	ssment site)		
	Hydric pl	ants & tr-	ees along l	pank		
	٠, ١		7	•		·
<u></u>						
Vator Chara	ctaristics*• (Mark	all that annly)				
			Chemical	None	Other:	
			Gray	Milky	Other:	
Bottom Dep	osit: Sludge	☐ Solids	Fine sediments	None None	Other:	
Surface Dep	oosit: Oil	Scum	☐ Foam	None	Other:	
			•	,		.
omprehensive u	inderstanding of water	conditions. Consequent	uently, this information	is not intended	to directly influence a	•
			my knowledge, th	at all inform	nation reported on	this UAA
igned: ().	Marshau	~	Date:	7/7/05		
)rganization:	Swcp		Position	: <u>Soil</u> S	scientist I	,,,,,
			•			

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